

Sanga, Ravi

From: Hall, James C CIV <James.C.Hall2@uscg.mil>
Sent: Friday, April 26, 2019 8:39 AM
To: Sanga, Ravi; Hoffman, Erika
Subject: Pier 36 Summery Apr 25
Attachments: Pier 36 Sample Tracking_4.25.19.pdf

Hello Ravi and Erika,
Please see the summery below:

Subsurface Sediment Sampling

Subsurface samples were collected in Bravo berth/pier vicinity at the following locations:

1. Pier 13 (78% core recovery on first attempt)
2. Berth 12 (79% core recovery on first attempt)
3. Pier 14 (93% core recovery on first attempt)
4. Pier 18 (80% core recovery on first attempt)
5. Pier 16 (no core recovery and refusal at 7 feet on first attempt, 80% core recovery on second attempt)

Coring was also attempted at location Pier 20. The first attempt resulted in 61% core recovery, the second meet refusal on what appeared to be an old pier timber at 0.5 feet, and the third attempt resulted in 20% core recovery. The divers noted a significant amount of wood debris at or just below the surface at that location.

Divers where utilized to collect/attempt cores at locations Pier 14, Pier 16, Pier18, and Pier 20, all of which were below pier locations. The divers observed the upper two feet of the sediment surface to be very soft (they could easily push their hands to that depth). A similar observation was observed at location Pier 19 and Berth 12 (divers not utilized) by way of the core barrel freefalling through the upper several feet of sediment. These observations suggest that the vibracore is pushing through the surface sediment without retaining it, and that recovery is limited to stiffer/more dense sediments that are encountered with depth (in the 3 to 10 foot range). In an effort to increase sampling confidence in the 0 to 2 foot depth range, we recommend revisiting the locations with poor near-surface recovery and using a diver-deployed corer that is better suited to retain these shallow, very soft sediments.

Planned Activities for Friday 4/26:

The planned scope of work for tomorrow is to continue sediment coring within Bravo berth and install sediment traps in the outfalls.

I will be following up on the pier 19 location results. It is my assumption that location is not yet complete. Please feel free to give me a call with questions or concerns.

v/r
James

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